

ABSTRACT

A cabinet for housing computer devices with an internal air distribution system is disclosed. The cabinet includes an internal chamber defined by a side wall arrangement having at least a front wall. The cabinet includes a support structure for computer devices, wherein the support structure is positioned within the internal chamber of the cabinet. The air distribution device comprises an elongated duct defining a passageway for air distribution. The duct is positioned within the internal chamber and has a plurality of adjustable air discharge ports that are in fluid communication with the passageway. The air distribution device further includes an inlet fan in fluid communication with the passageway. By precisely directing cool air to a frontal portion of the computer devices, the air distribution device reduces the temperature gradients within the cabinet and the quantity of heat that accumulates in the cabinet during operation of the computer devices.